

1638

GENETIC TRANSFORMATION IN PLANTS USING SITE-SPECIFIC
RECOMBINATION AND WIDE HYBRIDIZATION

ABSTRACT OF THE DISCLOSURE

The methods of the invention provide a means for targeting the insertion of
5 a nucleotide sequence of interest to a specific chromosomal site within the
genome of a plant cell. The invention provides a unique application of wide
hybridization and site-specific recombination to bring together and recombine well
defined chromosomal fragments. The invention provides novel methods to
generate transgenic plant lines and new hybrid plant varieties.

10